Title (en)
  Refrigerator controller

Title (de)
  Kühlschrankregler

Title (fr)
  Régulateur pour armoire frigorifique

Publication
  EP 0987507 B1 20041020 (EN)

Application
  EP 99301581 A 19990303

Priority
  JP 26196998 A 19980916

Abstract (en)
  [origin: EP0987507A2] There is provided a refrigerator (10) capable of reducing or eliminating the rise of the intra-compartment temperature during a defrosting operation by means of a defrosting heater (28,40) and capable of preventing temperature of foods from rising after the defrosting operation. The refrigerator (10) sets temperature for ending a freezing mode during a pre-cooling operation at pre-cooling freezing mode ending temperature which is lower than temperature during a normal operation by a predetermined amount and conducts an alternate cooling operation until the pre-cooling operation ends based on the pre-cooling freezing mode ending temperature. <IMAGE>

IPC 1-7
  F25D 11/02; F25D 17/06; F25D 29/00; F25D 21/08; F25D 21/00

IPC 8 full level
  F25D 11/02 (2006.01); **F25D 17/06** (2006.01); **F25D 21/00** (2006.01); **F25D 21/08** (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP KR US)
  F25D 17/065 (2013.01 - EP US); **F25D 21/00** (2013.01 - KR); **F25D 21/002** (2013.01 - EP US); **F25D 29/00** (2013.01 - EP US); F25B 2600/2511 (2013.01 - EP US); F25B 2700/2117 (2013.01 - EP US); F25D 11/022 (2013.01 - EP US); F25D 2317/0682 (2013.01 - EP US); F25D 2317/0684 (2013.01 - EP US); F25D 2400/04 (2013.01 - EP US); F25D 2700/12 (2013.01 - EP US); F25D 2700/122 (2013.01 - EP US)

Cited by
  RU2509966C2; RU2468314C2; EP1152200A1; CN109708378A; CN109028702A; EP1243880A1; ITVA20130028A1; EP2806237A1; CN103542686A; EP2685188A3; US10066865B2; US6598410B2; US10234189B2; WO2020135979A1; WO2011104093A3

Designated contracting state (EPC)
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  EP 0987507 A2 20000322; **EP 0987507 A3 20000719**; **EP 0987507 B1 20041020**; CN 1156664 C 20040707; CN 1247968 A 20000322; DE 69921262 D1 20041125; DE 69921262 T2 20050310; EG 22628 A 20030531; JP 2000088440 A 20000331; JP 3636602 B2 20050406; KR 100341234 B1 20020620; KR 20000022622 A 20000425; MY 118521 A 20041130; TW 455670 B 20010924; US 6058723 A 20000509

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  EP 99301581 A 19990303; CN 99108690 A 19990616; DE 69921262 T 19990303; EG 20899 A 19990303; JP 26196998 A 19980916; KR 19990015169 A 19990428; MY PI9900691 A 19990225; TW 88104062 A 19990316; US 25771699 A 19990225